Journal of Non-Crystalline Solids 115 (1989) 219–223
North-Holland

AUTHOR INDEX

Abdulhalim, I., see Rice 115 (1989) 96
Abdulhalim, I., G. Moddel, K.M. Johnson and C.M. Walker, Optically addressed electroclinic liquid crystal spatial light modulator with an a-Si : H photodiode 115 (1989) 162
Abe, T., see Nishihara 115 (1989) 183
Abkowitz, M., see Pai 115 (1989) 213
Aglietti, U., C. Bacci, F. Evangelisti, M. Falconieri, P. Fiorini, F. Meddi, A. Mittiga and G. Salvini, a-Si : H p-i-n junctions as ionizing particle detectors 115 (1989) 177
Aiyah, V., see Yannacopoulos 115 (1989) 54
Al-Sabbagh, S., see Wilson 115 (1989) 84
Alvarez, F., L.F. Castro, R.R. Koropecki, C. Sartori and G. Gordillo, Cathodo and photoluminescence studies of non-stoichiometric amorphous silicon carbide and nitride 115 (1989) 42
Arasaki, A.T., see Sassaki 115 (1989) 90
Arya, R.R., see Catalano 115 (1989) 14
Asaoka, K., M. Yamaguchi, H. Yamagishi, W.A. Nevin, H. Nishio, T. Endoh, K. Tsuge and Y. Tawada, Light-induced effects in a-Si/a-Si two-stacked tandem junction solar cells 115 (1989) 24
Asaoka, K., see Nevin 115 (1989) 48

Bacci, C., see Aglietti 115 (1989) 177
Belford, R.E., see Hajto 115 (1989) 129
Bennett, M., see Catalano 115 (1989) 14
Benson, A., see Chatham 115 (1989) 201
Bensouda, M., see Habrard 115 (1989) 45
Bhat, P., see Chatham 115 (1989) 201
Bisson, M., see Meunier 115 (1989) 108
Boa, X., see Huang 115 (1989) 78
Brandt, M.S., J. Chrysostomides, S. Koynov and V. Petrova-Koch, Deposition of silicon by decomposition of silane via hydrogen abstraction 115 (1989) 105
Briere, M., see Neitzert 115 (1989) 75
Brutscher, N., see Hoheisel 115 (1989) 114
Bruyere, J.C., see Habrard 115 (1989) 45
Buchanan, W.A., see Fortmann 115 (1989) 21
Buchkremer, T., see Schiebel 115 (1989) 216

Capozi, M., see Giannetti 115 (1989) 204
Carlson, D.E., see Catalano 115 (1989) 14
Carreño, M.P., see Sassaki 115 (1989) 90
Castro, L.F., see Alvarez 115 (1989) 42
Catalano, A., R.R. Arya, B. Fieselmann, B. Goldstein, J. Newton, S. Wiedeman, M. Bennett and D.E. Carlson, Solar cells: present status and future prospects 115 (1989) 14
Chatham, H., P. Bhat, A. Benson and C. Matovich, High-efficiency amorphous silicon p-i-n solar cells deposited from disilane at rates up to 2 nm/s using VHF discharges 115 (1989) 201
Chen, G., see Zhang 115 (1989) 87
Chen, K., see Huang 115 (1989) 78
Cho, G., see Fujieda 115 (1989) 174
Choi, W.K., see Rose 115 (1989) 168
Choi, W.K., see Gage 115 (1989) 171
Chrysostomides, J., see Brandt 115 (1989) 105
Clough, F., see Hepburn 115 (1989) 156
Coluzza, C., see Giannetti 115 (1989) 204

Darzi, A.K., see Eicker 115 (1989) 99
Deimel, P.P., B. Heimhofer, G. Krötz, G. Müller and J. Wind, Amorphous silicon–germanium diodes for optical detection 115 (1989) 186
Della Sala, D., see Mariucci 115 (1989) 123
Dietrich, K., see Kusian 115 (1989) 117
Dubeau, J., see Pochet 115 (1989) 72

Eicker, U., A.K. Darzi, B.S. Wherrett and J.I.B. Wilson, Optical nonlinearities in amorphous silicon-carbon alloys 115 (1989) 99
Endoh, T., see Asaoka 115 (1989) 24
Equer, B., see Pochet 115 (1989) 72
Evangelisti, F., see Aglietti 115 (1989) 177
Ewen, P.J.S., see Hajto 115 (1989) 129

Falconieri, M., see Aglietti 115 (1989) 177
Fanfoni, M., see Giannetti 115 (1989) 204
Ferreira, I., see Fortunato 115 (1989) 120
Fieselmann, B., see Catalano 115 (1989) 14
Fiorini, P., see Aglietti 115 (1989) 177
Fischer, D., see Leutz 115 (1989) 93
Foglietti, P., see Mariucci 115 (1989) 123
Foglietti, P., see Fortunato 115 (1989) 144
Fonash, S.J., see Kakkad 115 (1989) 66

0022-3093/89/$03.50 © Elsevier Science Publishers B.V. (North-Holland)

Fortmann, C.M., S.S. Hegedus and W.A. Buchanan, Design considerations for low-band-gap a-SiGe : H alloy solar cells 115 (1989) 21
Fortunato, E., R. Martins, I. Ferreira, M. Santos, A. Maçarico and L. Guimarães, Tunneling in vertical μc–Si/a–$Si_xC_yO_z$: H/μc –Si heterostructures 115 (1989) 120
Fortunato, G., see Reita 115 (1989) 102
Fortunato, G., see Mariucci 115 (1989) 123
Fortunato, G., L. Mariucci, C. Reita and P. Foglietti, Low-voltage operation a-Si : H thin film transistors with very thin PECVD a-SiO_2 gate dielectric 115 (1989) 144
Fountain, G.G., see Kim 115 (1989) 69
Frings, G., see Schiebel 115 (1989) 216
Frova, A., see Giannetti 115 (1989) 204
Fuhs, W., see Nickel 115 (1989) 159
Fujieda, I., G. Cho, S.N. Kaplan, V. Perez-Mendez, S. Qureshi and R.A. Street, Applications of a-Si : H radiation detectors 115 (1989) 174
Fujikake, S., see Sakai 115 (1989) 198
Fujikura, M., A. Sato, Y. Tsuruoka and K. Susa, Polarization charge in a-Si : H in alternating high fields 115 (1989) 111
Fujisawa, H., see Urabe 115 (1989) 33
Fukuda, K., see Ibaraki 115 (1989) 138

Gage, S.M., see Rose 115 (1989) 168
Gage, S.M., J. Hajto, S. Reynolds, W.K. Choi, M.J. Rose, P.G. LeComber, A.J. Snell and A.E. Owen, Anomalous high zero bias resistance in metal– amorphous silicon–metal structures 115 (1989) 171
Giannetti, C., C. Coluzza, A. Frova, M. Fanfoni, M. Capozi, C. Quaresima and P. Perfetti, SnO_2 reduction by hydrogen bombardment and its effect on SnO_2/a-Si interfaces 115 (1989) 204
Goldstein, B., see Catalano 115 (1989) 14
Gordillo, G., see Alvarez 115 (1989) 42
Gu, Q., see Huang 115 (1989) 78
Guimarães, L., see Fortunato 115 (1989) 120

Habrard, M.C., M. Bensouda, J.C. Bruyere and D. Jousse, Differences in the electrical properties of the interfaces of PECVD silicon nitride with amorphous and crystalline silicon 115 (1989) 45
Hack, M., see Steemers 115 (1989) 36
Hack, M., see Shaw 115 (1989) 141
Hack, M., J.G. Shaw and M. Shur, Simulations and physics of amorphous silicon thin-film transistors 115 (1989) 150
Haga, K., H. Miura, M. Kumano and H. Watanabe, Amorphous SiO_x : H alloy films as wide optical-gap materials 115 (1989) 126
Hajto, E., R.E. Belford, P.J.S. Ewen and A.F. Owen, Dry etched high resolution positive and negative inorganic photoresist 115 (1989) 129
Hajto, J., see Rose 115 (1989) 168
Hajto, J., see Gage 115 (1989) 171
Hamakawa, Y., T. Toyama and H. Okamoto, Blue light emission from a-C : H by thin film electroluminescence structure cell 115 (1989) 180
Hamakawa, Y., see Han 115 (1989) 195
Hamano, T., see Nishihara 115 (1989) 183
Hamel, L.A., see Pochet 115 (1989) 72
Han, M.-K., Y. Matsumoto, G. Hirata, H. Okamoto and Y. Hamakawa, Characterization of boron-doped μc-SiC/c-Si heterojunction solar cells 115 (1989) 195
Hanazono, M., see Wakagi 115 (1989) 207
Hegedus, S.S., see Fortmann 115 (1989) 21
Heimhofer, B., see Deimel 115 (1989) 186
Hepburn, A.R., C. Pickup, J.M. Marshall, W.I. Milne and F. Clough, Capacitance voltage studies of hydrogenated amorphous silicon thin film transistors 115 (1989) 156
Hirata, G., see Han 115 (1989) 195
Hirose, M., see Shiratsuki 115 (1989) 81
Hiroshiro, K., see Yamanaka 115 (1989) 60
Hoheisel, M., N. Brutscher and H. Wieczorek, Ambient-induced defect states at a-Si : H/ITO interfaces 115 (1989) 114
Huang, X., Z. Li, Q. Gu, X. Boa and K. Chen, Ar^+ laser crystallization of a-Si : H film for active layer of TFT 115 (1989) 78
Hull, V.J., see Steemers 115 (1989) 36

Ibaraki, N., M. Kigoshi, K. Fukuda and J. Kobayashi, Threshold voltage instability of a-Si : H TFTs in liquid crystal displays 115 (1989) 138
Ichikawa, Y., see Sakai 115 (1989) 198
Ishiwata, O., see Sakai 115 (1989) 198
Isomura, M., see Kuwano 115 (1989) 189
Ito, H., see Nishihara 115 (1989) 183

John, P., see Wilson 115 (1989) 84
Johnson, K.M., see Abdulhalim 115 (1989) 162
Jousse, D., see Habrard 115 (1989) 45
Jubber, M., see Wilson 115 (1989) 84

Kakkad, R., G. Liu and S.J. Fonash, Low temperature selective crystallization of amorphous silicon 115 (1989) 66
Kamiyama, M., see Urabe 115 (1989) 33
Kaplan, S.N., see Fujieda 115 (1989) 174
Karakida, K.-I., see Yagi 115 (1989) 210
Karar, A., see Pochet 115 (1989) 72
Karg, F.H., see Kusian 115 (1989) 117
Kasap, S.O. and S. Yannacopoulos, Charge transport in halogenated amorphous $Se_{1-x}Te_x$ photoreceptor films 115 (1989) 51
Kasap, S.O., see Yannacopoulos 115 (1989) 54

Kawabata, K., see Shiratsuki 115 (1989) 81
Kazama, Y., see Yamanaka 115 (1989) 60
Kemp, M., see Meunier 115 (1989) 108
Keppner, H., see Leutz 115 (1989) 93
Kigoshi, M., see Ibaraki 115 (1989) 138
Kim, S.S., G.N. Parsons, G.G. Fountain and G. Lucovsky, Dependence of a-Si-H/Si_3N_4 interface properties on the deposition sequence in amorphous silicon thin film transistor produced by remote PECVD-process 115 (1989) 69
Kobayashi, J., see Ibaraki 115 (1989) 138
Komazawa, A., see Sassaki 115 (1989) 90
Konagai, M., see Yamanaka 115 (1989) 60
Koropecki, R.R., see Alvarez 115 (1989) 42
Koynov, S., see Brandt 115 (1989) 105
Krötz, G., see Deimel 115 (1989) 186
Kubota, H. and M. Onuki, Photoconductivity of hydrogenated amorphous gap/crystalline GaP junction 115 (1989) 39
Kumano, M., see Haga 115 (1989) 126
Kunigita, M., see Masumo 115 (1989) 147
Kusian, W., K. Dietrich and F.H. Karg, Light-induced degradation of differently prepared heterojunction in a-Si pin solar cells 115 (1989) 117
Kuwano, Y. and M. Isomura, Unique a-Si solar cells and advanced PV systems 115 (1989) 189

Lakatos, A., see Steemers 115 (1989) 36
Le Comber, P.G., Present and future applications of amorphous silicon and its alloys 115 (1989) 1
Lechner, P., see Schneider 115 (1989) 63
LeComber, P.G., see Rose 115 (1989) 168
LeComber, P.G., see Gage 115 (1989) 171
Leutz, B., H. Keppner, V. Viret, D. Fischer, E. Sauvain and A. Shah, High rate deposition of a-Si : H films for optoelectronic detectors by VHF-GD 115 (1989) 93
Li, Y., see Zhang 115 (1989) 87
Li, Z., see Huang 115 (1989) 78
Liu, G., see Kakkad 115 (1989) 66
Lucovsky, G., see Kim 115 (1989) 69

Maçarico, A., see Fortunato 115 (1989) 120
Mariucci, L., see Reita 115 (1989) 102
Mariucci, L., G. Fortunato, P. Foglietti, C. Reita and D. Della Sala, Transport properties of plasma-deposited amorphous silicon dioxide 115 (1989) 123
Mariucci, L., see Fortunato 115 (1989) 144
Marshall, J.M., see Hepburn 115 (1989) 156
Martin, R.A., see Shaw 115 (1989) 141
Martins, R., see Fortunato 115 (1989) 120
Masumo, K., M. Kunigita, S. Takafuji and M. Yuki, Low temperature fabrication of poly-Si TFT by laser induced crystallization of a-Si 115 (1989) 147
Matovich, C., see Chatham 115 (1989) 201
Matsumoto, Y., see Han 115 (1989) 195
Meddi, F., see Aglietti 115 (1989) 177
Mell, H., see Nickel 115 (1989) 159
Meunier, M., M. Bisson and M. Kemp, Amorphous silicon static induction transistor 115 (1989) 108
Milne, W.I., see Hepburn 115 (1989) 156
Mittiga, A., see Aglietti 115 (1989) 177
Miura, H., see Haga 115 (1989) 126
Miyake, H., see Nishihara 115 (1989) 183
Miyazaki, S., see Shiratsuki 115 (1989) 81
Moddel, G., see Rice 115 (1989) 96
Moddel, G., see Abdulhalim 115 (1989) 162
Müller, G., see Deimel 115 (1989) 186

Nagano, M., see Sakai 115 (1989) 198
Neitzert, H.C. and M. Briere, Hydrogen profiles of interfaces in amorphous silicon devices 115 (1989) 75
Nevin, W.A., see Asaoka 115 (1989) 24
Nevin, W.A., H. Yamagishi, K. Asaoka, M. Yamaguchi and Y. Tawada, Improvement of the stability of amorphous silicon solar cells by light pulse treatment 115 (1989) 48
Newton, J., see Catalano 115 (1989) 14
Nickel, N., W. Fuhs and H. Mell, DLTS study of defect creation in amorphous-silicon thin-film transistors 115 (1989) 159
Nishihara, Y., M. Nobue, T. Abe, H. Miyake, H. Ito, T. Ozawa and T. Hamano, Methodology in design of a page width a-Si TFT linear image sensor 115 (1989) 183
Nishikawa, M., see Yagi 115 (1989) 210
Nishio, H., see Asaoka 115 (1989) 24
Nobue, M., see Nishihara 115 (1989) 183

Oana, Y., Technical developments and trends in a-Si TFT-LCDs 115 (1989) 27
Okamoto, H., see Hamakawa 115 (1989) 180
Okamoto, H., see Han 115 (1989) 195
Onuki, M., see Kubota 115 (1989) 39
Owen, A.E., see Hajto 115 (1989) 129
Owen, A.E., see Rose 115 (1989) 168
Owen, A.E., see Gage 115 (1989) 171
Ozawa, T., see Nishihara 115 (1989) 183

Pai, D.M. and M. Abkowitz, Effect of doping on carrier range in a-Si : H-xerographic studies 115 (1989) 213
Parsons, G.N., see Kim 115 (1989) 69
Pereyra, I., see Sassaki 115 (1989) 90
Perez-Mendez, V., see Fujieda 115 (1989) 174
Perfetti, P., see Giannetti 115 (1989) 204
Petrova-Koch, V., see Brandt

115 (1989) 105

Pfleiderer, H., Simulation of spectral characteristics for a-Si solar cells 115 (1989) 57
Pickup, C., see Hepburn 115 (1989) 156
Pochet, T., J. Dubeau, L.A. Hamel, B. Equer and A. Karar, Modeling of the signal induced in a-Si : H particle detectors by protons 115 (1989) 72

Qayyum, A., see Wilson 115 (1989) 84
Quadflieg, P., see Schiebel 115 (1989) 216
Quaresima, C., see Giannetti 115 (1989) 204
Qureshi, S., see Fujieda 115 (1989) 174

Reita, C., L. Mariucci and G. Fortunato, Theory for field-effect mobility enhancement in multilayer structure thin-film transistors 115 (1989) 102
Reita, C., see Mariucci 115 (1989) 123
Reita, C., see Fortunato 115 (1989) 144
Reynolds, S., see Gage 115 (1989) 171
Rice, R.A., G. Moddel, I. Abdulhalim and C.M. Walker, A three-terminal spatial light modulator optically addressed by an a-Si : H photosensor 115 (1989) 96
Rommelmann, H., see Steemers 115 (1989) 36
Rose, M.J., J. Hajto, P.G. LeComber, S.M. Gage, W.K. Choi, A.J. Snell and A.E. Owen, Amorphous silicon analogue memory devices 115 (1989) 168
Rose, M.J., see Gage 115 (1989) 171

Sagawa, M., see Shiratsuki 115 (1989) 81
Sakai, H., T. Yoshida, S. Fujikake, Y. Ichikawa, A. Ueda, O. Ishiwata and M. Nagano, Effects of the surface morphology of transparent electrode on film deposition and photovoltaic performance of a-Si : H solar cells 115 (1989) 198
Salvini, G., see Aglietti 115 (1989) 177
Santos, M., see Fortunato 115 (1989) 120
Sartori, C., see Alvarez 115 (1989) 42
Sassaki, C.A., A.T. Arasaki, M.P. Carreño, A. Komazawa and I. Pereyra, Integral thin film technology amorphous silicon image sensor 115 (1989) 90
Sato, A., see Fujikura 115 (1989) 111
Sauvain, E., see Leutz 115 (1989) 93
Schiebel, U., T. Buchkremer, G. Frings and P. Quadflieg, Deep trapping and recombination in a-Se : As X-ray sensitive photoreceptors 115 (1989) 216
Schneider, U., B. Schröder and P. Lechner, Metastable degradation of a–Si : H solar cells by 20 keV-electron irradiation 115 (1989) 63
Schröder, B., see Schneider 115 (1989) 63
Seki, K., see Yamanaka 115 (1989) 60
Shah, A., see Leutz 115 (1989) 93
Shaw, J.G., M. Hack and R.A. Martin, Metastable changes in the output characteristics of high-voltage amorphous silicon thin-film transistors 115 (1989) 141
Shaw, J.G., see Hack 115 (1989) 150
Shiratsuki, Y., K. Kawabata, M. Sagawa, S. Miyazaki and M. Hirose, Impurity diffusion barrier for a-Si : H/SnO_2 system 115 (1989) 81
Shur, M., see Hack 115 (1989) 150
Snell, A.J., see Rose 115 (1989) 168
Snell, A.J., see Gage 115 (1989) 171
Steemers, H., M. Hack, H. Tuan, V.J. Hull, H. Rommelmann, J. Stephany and A. Lakatos, Amorphous silicon circuits for transient nematic liquid crystal image bars 115 (1989) 36
Stephany, J., see Steemers 115 (1989) 36
Street, R.A., see Fujieda 115 (1989) 174
Susa, K., see Fujikura 115 (1989) 111

Taghizadeh, M.R., J.I.B. Wilson, J. Turunen, A. Vasara and J. Westerholm, Amorphous silicon nitride optical grating beam splitters 115 (1989) 165
Takafuji, S., see Masumo 115 (1989) 147
Takahashi, K., see Yamanaka 115 (1989) 60
Tamahashi, K., see Wakagi 115 (1989) 207
Tanabe, E., see Urabe 115 (1989) 33
Tawada, Y., see Asaoka 115 (1989) 24
Tawada, Y., see Nevin 115 (1989) 48
Toyama, T., see Hamakawa 115 (1989) 180
Tsuge, K., see Asaoka 115 (1989) 24
Tsuruoka, Y., see Fujikura 115 (1989) 111
Tuan, H., see Steemers 115 (1989) 36
Tuan, H.C., Printing applications of a-Si thin film transistors 115 (1989) 132
Turunen, J., see Taghizadeh 115 (1989) 165

Ueda, A., see Sakai 115 (1989) 198
Urabe, K., H. Fujisawa, M. Kamiyama, E. Tanabe and T. Yoshida, Application of a-Si thin film diodes to active matrix LCD 115 (1989) 33

Vasara, A., see Taghizadeh 115 (1989) 165
Viret, V., see Leutz 115 (1989) 93

Wakagi, M., K. Tamahashi and M. Hanazono, Fabrication of a-Si : H electrophotographic photoreceptors by magnetron plasma CVD method 115 (1989) 207
Walker, C.M., see Rice 115 (1989) 96
Walker, C.M., see Abdulhalim 115 (1989) 162
Watanabe, H., see Haga 115 (1989) 126
Westerholm, J., see Taghizadeh 115 (1989) 165
Wherrett, B.S., see Eicker 115 (1989) 99

Wieczorek, H., see Hoheisel 115 (1989) 114
Wiedeman, S., see Catalano 115 (1989) 14
Wilson, J.I.B., A. Qayyum, S. Al-Sabbagh, M. Jubber and P. John, Photo-oxidation of amorphous silicon-carbon alloys and its use in field effect transistors 115 (1989) 84
Wilson, J.I.B., see Eicker 115 (1989) 99
Wilson, J.I.B., see Taghizadeh 115 (1989) 165
Wind, J., see Deimel 115 (1989) 186

Yagi, S., M. Nishikawa and K.-I. Karakida, Field effect in SiN_x-overcoated amorphous silicon photoreceptors observed by xerographic discharge method 115 (1989) 210
Yamagishi, H., see Asaoka 115 (1989) 24
Yamagishi, H., see Nevin 115 (1989) 48
Yamaguchi, M., see Asaoka 115 (1989) 24
Yamaguchi, M., see Nevin 115 (1989) 48
Yamanaka, S., Y. Kazama, K. Seki, K. Hiroshiro, M. Konagai and K. Takahashi, Effect of δ-doped p-layer on the photovoltaic properties of a-Si solar cells 115 (1989) 60
Yannacopoulos, S., see Kasap 115 (1989) 51
Yannacopoulos, S., V. Aiyah and S.O. Kasap, Thermomechanical properties of amorphous semiconductor photoreceptor films of As_2Se_3 115 (1989) 54
Yoshida, T., see Urabe 115 (1989) 33
Yoshida, T., see Sakai 115 (1989) 198
Yuki, M., see Masumo 115 (1989) 147

Zhang, F., G. Chen, Y. Zhang and Y. Li, A study of electroluminescence in hydrogenated amorphous carbon films 115 (1989) 87
Zhang, Y., see Zhang 115 (1989) 87

Journal of Non-Crystalline Solids 115 (1989) 224–228
North-Holland

SUBJECT INDEX

Alloys
Silicon Dioxide, Optical Properties, Plasma Deposition, Oxides 115 (1989) 126
Transport Properties – Solids, Photoreceptor, Time-Resolved Spectroscopy 115 (1989) 51

Calorimetry
Photoreceptor, Hardness, Chalcogenides 115 (1989) 54

Capacitance Methods
Silicon Nitride, Interfaces, Tunneling 115 (1989) 45
Thin Film Transistors, Trapping, Injection of Carriers, Silicon 115 (1989) 156

Carbon
Electroluminescence, Luminescence 115 (1989) 180

Chalcogenides
Photoinduced Effects, Etching 115 (1989) 129
Photoreceptor, Hardness, Calorimetry 115 (1989) 54
Trapping, Photoreceptor, Defects 115 (1989) 216

Computer Simulation
Silicon, Thin Film Transistors, Transport Properties – Devices 115 (1989) 150
Thin Film Transistors, Metastability, Trapping, Transport Properties – Devices 115 (1989) 141

Crystallization
Plasma Deposition, Silicon 115 (1989) 66
Raman Spectra, Thin Film Transistors, Secondary Ion Mass Spectroscopy 115 (1989) 78

Dangling Bonds
Silicon, Thin Film Transistors, Transient Effects, Transport Properties – Devices 115 (1989) 159

Defects
Trapping, Chalcogenides, Photoreceptor 115 (1989) 216

Deposition Techniques
Plasma Deposition, Silicon, Thin Films 115 (1989) 105
Silicon, Image Sensors, Plasma Deposition 115 (1989) 93
Solar Cells, Silicon, Plasma Deposition 115 (1989) 201

Detectors
Diodes, Silicon Alloys, Optical Properties 115 (1989) 186
Radiation Effects, Silicon, X-ray Sensor 115 (1989) 174

Diffusion
Tin Oxide, Plasma Deposition, Photo-deposition, Silicon Nitride, Silicon 115 (1989) 81

Diodes
Image Sensors, Silicon, Thin Film Transistors 115 (1989) 183
Light Modulators, Silicon, Liquid Crystal Displays 115 (1989) 162
Silicon, Liquid Crystal Displays, Photoconductivity 115 (1989) 33
Silicon Alloys, Detectors, Optical Properties 115 (1989) 186

Doping
Electrophotography, Transport Properties – Solids, Silicon 115 (1989) 213
Silicon, Hydrogen Effects 115 (1989) 75
Silicon, Solar Cells, Photo Voltage, Silicon Alloys 115 (1989) 60
Solar Cells, Heterojunctions, Stäbler–Wronski Effect, Transport Properties – Devices 115 (1989) 195

Electric Properties
Polarization, Photoconductivity, Silicon 115 (1989) 111

Electroluminescence
Gallium Phosphide, Junctions, Photoconductivity 115 (1989) 39
Luminescence, Carbon 115 (1989) 180
Silicon Alloys, Luminescence 115 (1989) 87

Electrophotography
Doping, Transport Properties – Solids, Silicon 115 (1989) 213
Liquid Crystal Displays, Silicon, Printers, Thin Film Transistors 115 (1989) 36
Solar Cells, Photoreceptor, Silicon 115 (1989) 1

Etching
Chalcogenides, Photoinduced Effects 115 (1989) 129

Field Effect
MultiLayers, Thin Film Transistors, Mobility, Superlattices, Silicon 115 (1989) 102

Forming
Memory Behaviour, Silicon 115 (1989) 168
Memory Behaviour, Silicon 115 (1989) 171

0022-3093/89/$03.50 © Elsevier Science Publishers B.V. (North-Holland)

Gallium Phosphide
Electroluminescence, Junctions, Photoconductivity 115 (1989) 39

Grating
Silicon Nitride, Lasers, Light Scattering 115 (1989) 165

Hardness
Photoreceptor, Calorimetry, Chalcogenides 115 (1989) 54

Heterojunctions
Ionography, Thin Film Transistors 115 (1989) 90
Photoconductivity, Silicon, Stäbler–Wronski Effect, Solar Cells 115 (1989) 117
Solar Cells, Doping, Stäbler–Wronski Effect, Transport Properties – Devices 115 (1989) 195
Thin Film Transistors, Silicon Nitride, Silicon 115 (1989) 69
Tunneling, Junctions, Silicon Alloys 115 (1989) 120

Hydrogen Effects
Silicon, Doping 115 (1989) 75
Tin Oxide, Interfaces, Photo-emission, Silicon 115 (1989) 204

Image Sensors
Deposition Techniques, Silicon, Plasma Deposition 115 (1989) 93
Silicon, Thin Film Transistors, Diodes 115 (1989) 183
Stability, Light Modulators, Silicon, Junctions 115 (1989) 114

Injection of Carriers
Thin Film Transistors, Capacitance Methods, Trapping, Silicon 115 (1989) 156

Interfaces
Silicon Nitride, Capacitance Methods, Tunneling 115 (1989) 45
Tin Oxide, Photo-emission, Hydrogen Effects, Silicon 115 (1989) 204

Ionography
Printers, Thin Film Transistors 115 (1989) 132
Thin Film Transistors, Heterojunctions 115 (1989) 90

Junctions
Electroluminescence, Gallium Phosphide, Photoconductivity 115 (1989) 39
Photoreceptor, Silicon Nitride, Silicon 115 (1989) 210
Stability, Image Sensors, Light Modulators, Silicon 115 (1989) 114
Tunneling, Silicon Alloys, Heterojunctions 115 (1989) 120

Lasers
Silicon Nitride, Light Scattering, Grating 115 (1989) 165
Thin Film Transistors, Photoinduced Effects, Liquid Crystal Displays, Silicon 115 (1989) 147

Light Modulators
Diodes, Silicon, Liquid Crystal Displays 115 (1989) 162
Silicon 115 (1989) 96
Stability, Image Sensors, Silicon, Junctions 115 (1989) 114

Light Scattering
Silicon Nitride, Lasers, Grating 115 (1989) 165

Liquid Crystal Displays
Diodes, Silicon, Photoconductivity 115 (1989) 33
Light Modulators, Diodes, Silicon 115 (1989) 162
Silicon, Printers, Thin Film Transistors, Electrophotography 115 (1989) 36
Thin Film Transistors, Photoinduced Effects, Lasers, Silicon 115 (1989) 147
Thin Film Transistors, Silicon 115 (1989) 27
Thin Film Transistors, Silicon, Metastability, Mobility 115 (1989) 138

Luminescence
Electroluminescence, Carbon 115 (1989) 180
Silicon Alloys, Electroluminescence 115 (1989) 87
Silicon Alloys, Silicon Nitride 115 (1989) 42

Memory Behaviour
Silicon, Forming 115 (1989) 168
Silicon, Forming 115 (1989) 171

Metastability
Silicon, Solar Cells, Radiation Effects 115 (1989) 63
Thin Film Transistors, Liquid Crystal Displays, Silicon, Mobility 115 (1989) 138
Thin Film Transistors, Trapping, Computer Simulation, Transport Properties – Devices 115 (1989) 141

Microstructure
Silicon, Solar Cells, Surface Properties 115 (1989) 198

Mobility
MultiLayers, Thin Film Transistors, Field Effect, Superlattices, Silicon 115 (1989) 102
Thin Film Transistors, Liquid Crystal Displays, Silicon, Metastability 115 (1989) 138

MultiLayers
Thin Film Transistors, Field Effect, Mobility, Superlattices, Silicon 115 (1989) 102

Optical Properties
Diodes, Silicon Alloys, Detectors 115 (1989) 186
Silicon Alloys, Refractive Index 115 (1989) 99
Silicon Dioxide, Alloys, Plasma Deposition, Oxides 115 (1989) 126

Oxidation Reduction
Photoinduced Effects, Silicon Alloys, Thin Film Transistors 115 (1989) 84

Oxides
Silicon Dioxide, Optical Properties, Alloys, Plasma Deposition 115 (1989) 126
Thin Film Transistors, Silicon Alloys, Silicon, Silicon Dioxide 115 (1989) 144

Particle Detectors
Silicon 115 (1989) 177
Silicon, Transport Properties – Solids, Radiation Effects 115 (1989) 72

Photo-deposition
Diffusion, Tin Oxide, Plasma Deposition, Silicon Nitride, Silicon 115 (1989) 81

Photo-emission
Tin Oxide, Interfaces, Hydrogen Effects, Silicon 115 (1989) 204

Photo Voltage
Silicon, Solar Cells 115 (1989) 189
Silicon, Solar Cells, Doping, Silicon Alloys 115 (1989) 60

Photoconductivity
Diodes, Silicon, Liquid Crystal Displays 115 (1989) 33
Electroluminescence, Gallium Phosphide, Junctions 115 (1989) 39
Polarization, Electric Properties, Silicon 115 (1989) 111
Silicon, Stäbler–Wronski Effect, Heterojunctions, Solar Cells 115 (1989) 117

Photoinduced Effects
Chalcogenides, Etching 115 (1989) 129
Oxidation Reduction, Silicon Alloys, Thin Film Transistors 115 (1989) 84
Thin Film Transistors, Lasers, Liquid Crystal Displays, Silicon 115 (1989) 147

Photoreceptor
Alloys, Transport Properties – Solids, Time-Resolved Spectroscopy 115 (1989) 51
Electrophotography, Solar Cells, Silicon 115 (1989) 1
Hardness, Calorimetry, Chalcogenides 115 (1989) 54
Plasma Deposition, Silicon 115 (1989) 207
Silicon Nitride, Junctions, Silicon 115 (1989) 210
Trapping, Chalcogenides, Defects 115 (1989) 216

Plasma Deposition
Deposition Techniques, Silicon, Image Sensors 115 (1989) 93
Diffusion, Tin Oxide, Photo-deposition, Silicon Nitride, Silicon 115 (1989) 81
Photoreceptor, Silicon 115 (1989) 207
Silicon, Crystallization 115 (1989) 66
Silicon, Deposition Techniques, Thin Films 115 (1989) 105
Silicon Dioxide, Optical Properties, Alloys, Oxides 115 (1989) 126
Silicon Dioxide, Transport Properties – Solids 115 (1989) 123
Solar Cells, Silicon, Deposition Techniques 115 (1989) 201

Polarization
Photoconductivity, Electric Properties, Silicon 115 (1989) 111

Printers
Liquid Crystal Displays, Silicon, Thin Film Transistors, Electrophotography 115 (1989) 36
Thin Film Transistors, Ionography 115 (1989) 132

Radiation Effects
Metastability, Silicon, Solar Cells 115 (1989) 63
Particle Detectors, Silicon, Transport Properties – Solids 115 (1989) 72
Silicon, Detectors, X-ray Sensor 115 (1989) 174

Raman Spectra
Crystallization, Thin Film Transistors, Secondary Ion Mass Spectroscopy 115 (1989) 78
Solar Cells, Silicon Alloys, Solar Cells – Tandem, Silicon 115 (1989) 14

Recombination
Solar Cells, Silicon, Surface Reactions 115 (1989) 57

Refractive Index
Silicon Alloys, Optical Properties 115 (1989) 99

Secondary Ion Mass Spectroscopy
Crystallization, Raman Spectra, Thin Film Transistors 115 (1989) 78

Silicon
Deposition Techniques, Image Sensors, Plasma Deposition 115 (1989) 93
Diffusion, Tin Oxide, Plasma Deposition, Photo-deposition, Silicon Nitride 115 (1989) 81
Diodes, Liquid Crystal Displays, Photoconductivity 115 (1989) 33
Electrophotography, Doping, Transport Properties – Solids 115 (1989) 213
Electrophotography, Solar Cells, Photoreceptor 115 (1989) 1
Hydrogen Effects, Doping 115 (1989) 75
Image Sensors, Thin Film Transistors, Diodes 115 (1989) 183
Light Modulators 115 (1989) 96
Light Modulators, Diodes, Liquid Crystal Displays 115 (1989) 162
Liquid Crystal Displays, Printers, Thin Film Transistors, Electrophotography 115 (1989) 36
Memory Behaviour, Forming 115 (1989) 168
Memory Behaviour, Forming 115 (1989) 171
Metastability, Solar Cells, Radiation Effects 115 (1989) 63

MultiLayers, Thin Film Transistors, Field Effect, Mobility, Superlattices 115 (1989) 102
Particle Detectors 115 (1989) 177
Particle Detectors, Transport Properties – Solids, Radiation Effects 115 (1989) 72
Photoconductivity, Stäbler–Wronski Effect, Heterojunctions, Solar Cells 115 (1989) 117
Photoreceptor, Silicon Nitride, Junctions 115 (1989) 210
Plasma Deposition, Crystallization 115 (1989) 66
Plasma Deposition, Deposition Techniques, Thin Films 115 (1989) 105
Plasma Deposition, Photoreceptor 115 (1989) 207
Polarization, Photoconductivity, Electric Properties 115 (1989) 111
Radiation Effects, Detectors, X-ray Sensor 115 (1989) 174
Silicon Alloys, Solar Cells, Transport Properties – Solids 115 (1989) 21
Solar Cells, Deposition Techniques, Plasma Deposition 115 (1989) 201
Solar Cells, Microstructure, Surface Properties 115 (1989) 198
Solar Cells, Photo Voltage 115 (1989) 189
Solar Cells, Photo Voltage, Doping, Silicon Alloys 115 (1989) 60
Solar Cells, Recombination, Surface Reactions 115 (1989) 57
Solar Cells, Silicon Alloys, Solar Cells – Tandem, Raman Spectra 115 (1989) 14
Solar Cells, Solar Cells – Tandem, Stäbler–Wronski Effect 115 (1989) 24
Stability, Image Sensors, Light Modulators, Junctions 115 (1989) 114
Stability, Solar Cells, Solar Cells – Tandem, Stäbler–Wronski Effect, Stability 115 (1989) 48
Thin Film Transistors 115 (1989) 108
Thin Film Transistors, Capacitance Methods, Trapping, Injection of Carriers 115 (1989) 156
Thin Film Transistors, Computer Simulation, Transport Properties – Devices 115 (1989) 150
Thin Film Transistors, Liquid Crystal Displays 115 (1989) 27
Thin Film Transistors, Liquid Crystal Displays, Metastability, Mobility 115 (1989) 138
Thin Film Transistors, Oxides, Silicon Alloys, Silicon Dioxide 115 (1989) 144
Thin Film Transistors, Photoinduced Effects, Lasers, Liquid Crystal Displays 115 (1989) 147
Thin Film Transistors, Silicon Nitride, Heterojunctions 115 (1989) 69
Thin Film Transistors, Transient Effects, Dangling Bonds, Transport Properties – Devices 115 (1989) 159
Tin Oxide, Interfaces, Photo-emission, Hydrogen Effects 115 (1989) 204

Silicon Alloys
Diodes, Detectors, Optical Properties 115 (1989) 186
Electroluminescence, Luminescence 115 (1989) 87
Luminescence, Silicon Nitride 115 (1989) 42
Optical Properties, Refractive Index 115 (1989) 99
Photoinduced Effects, Oxidation Reduction, Thin Film Transistors 115 (1989) 84
Silicon, Solar Cells, Photo Voltage, Doping 115 (1989) 60
Solar Cells, Solar Cells – Tandem, Raman Spectra, Silicon 115 (1989) 14
Solar Cells, Transport Properties – Solids, Silicon 115 (1989) 21
Thin Film Transistors, Oxides, Silicon, Silicon Dioxide 115 (1989) 144
Tunneling, Junctions, Heterojunctions 115 (1989) 120

Silicon Dioxide
Optical Properties, Alloys, Plasma Deposition, Oxides 115 (1989) 126
Thin Film Transistors, Oxides, Silicon Alloys, Silicon 115 (1989) 144
Transport Properties – Solids, Plasma Deposition 115 (1989) 123

Silicon Nitride
Diffusion, Tin Oxide, Plasma Deposition, Photo-deposition, Silicon 115 (1989) 81
Interfaces, Capacitance Methods, Tunneling 115 (1989) 45
Lasers, Light Scattering, Grating 115 (1989) 165
Luminescence, Silicon Alloys 115 (1989) 42
Photoreceptor, Junctions, Silicon 115 (1989) 210
Thin Film Transistors, Heterojunctions, Silicon 115 (1989) 69

Solar Cells
Electrophotography, Photoreceptor, Silicon 115 (1989) 1
Heterojunctions, Doping, Stäbler–Wronski Effect, Transport Properties – Devices 115 (1989) 195
Metastability, Silicon, Radiation Effects 115 (1989) 63
Photoconductivity, Silicon, Stäbler–Wronski Effect, Heterojunctions 115 (1989) 117
Silicon, Deposition Techniques, Plasma Deposition 115 (1989) 201
Silicon, Microstructure, Surface Properties 115 (1989) 198
Silicon, Photo Voltage 115 (1989) 189
Silicon, Photo Voltage, Doping, Silicon Alloys 115 (1989) 60
Silicon, Recombination, Surface Reactions 115 (1989) 57
Silicon Alloys, Solar Cells – Tandem, Raman Spectra, Silicon 115 (1989) 14
Silicon Alloys, Transport Properties – Solids, Silicon 115 (1989) 21
Solar Cells – Tandem, Stäbler–Wronski Effect, Silicon 115 (1989) 24
Stability, Solar Cells – Tandem, Stäbler–Wronski Effect, Stability, Silicon 115 (1989) 48

Solar Cells – Tandem
Solar Cells, Silicon Alloys, Raman Spectra, Silicon 115 (1989) 14

Solar Cells, Stäbler–Wronski Effect, Silicon 115 (1989) 24
Stability, Solar Cells, Stäbler–Wronski Effect, Stability, Silicon 115 (1989) 48

Stability
Image Sensors, Light Modulators, Silicon, Junctions 115 (1989) 114
Solar Cells, Solar Cells – Tandem, Stäbler–Wronski Effect, Stability, Silicon 115 (1989) 48
Stability, Solar Cells, Solar Cells – Tandem, Stäbler–Wronski Effect, Silicon 115 (1989) 48

Stäbler–Wronski Effect
Photoconductivity, Silicon, Heterojunctions, Solar Cells 115 (1989) 117
Solar Cells, Heterojunctions, Doping, Transport Properties – Devices 115 (1989) 195
Solar Cells, Solar Cells – Tandem, Silicon 115 (1989) 24
Stability, Solar Cells, Solar Cells – Tandem, Stability, Silicon 115 (1989) 48

Superlattices
MultiLayers, Thin Film Transistors, Field Effect, Mobility, Silicon 115 (1989) 102

Surface Properties
Silicon, Solar Cells, Microstructure 115 (1989) 198

Surface Reactions
Solar Cells, Silicon, Recombination 115 (1989) 57

Thin Film Transistors
Capacitance Methods, Trapping, Injection of Carriers, Silicon 115 (1989) 156
Crystallization, Raman Spectra, Secondary Ion Mass Spectroscopy 115 (1989) 78
Image Sensors, Silicon, Diodes 115 (1989) 183
Ionography, Heterojunctions 115 (1989) 90
Liquid Crystal Displays, Silicon 115 (1989) 27
Liquid Crystal Displays, Silicon, Metastability, Mobility 115 (1989) 138
Liquid Crystal Displays, Silicon, Printers, Electrophotography 115 (1989) 36
Metastability, Trapping, Computer Simulation, Transport Properties – Devices 115 (1989) 141
MultiLayers, Field Effect, Mobility, Superlattices, Silicon 115 (1989) 102
Oxides, Silicon Alloys, Silicon, Silicon Dioxide 115 (1989) 144
Photoinduced Effects, Lasers, Liquid Crystal Displays, Silicon 115 (1989) 147
Photoinduced Effects, Oxidation Reduction, Silicon Alloys 115 (1989) 84
Printers, Ionography 115 (1989) 132
Silicon 115 (1989) 108
Silicon, Computer Simulation, Transport Properties – Devices 115 (1989) 150
Silicon, Transient Effects, Dangling Bonds, Transport Properties – Devices 115 (1989) 159
Silicon Nitride, Heterojunctions, Silicon 115 (1989) 69

Thin Films
Plasma Deposition, Silicon, Deposition Techniques 115 (1989) 105

Time-Resolved Spectroscopy
Alloys, Transport Properties – Solids, Photoreceptor 115 (1989) 51

Tin Oxide
Diffusion, Plasma Deposition, Photo-deposition, Silicon Nitride, Silicon 115 (1989) 81
Interfaces, Photo-emission, Hydrogen Effects, Silicon 115 (1989) 204

Transient Effects
Silicon, Thin Film Transistors, Dangling Bonds, Transport Properties – Devices 115 (1989) 159

Transport Properties – Devices
Silicon, Thin Film Transistors, Computer Simulation 115 (1989) 150
Silicon, Thin Film Transistors, Transient Effects, Dangling Bonds 115 (1989) 159
Solar Cells, Heterojunctions, Doping, Stäbler–Wronski Effect 115 (1989) 195
Thin Film Transistors, Metastability, Trapping, Computer Simulation 115 (1989) 141

Transport Properties – Solids
Alloys, Photoreceptor, Time-Resolved Spectroscopy 115 (1989) 51
Electrophotography, Doping, Silicon 115 (1989) 213
Particle Detectors, Silicon, Radiation Effects 115 (1989) 72
Silicon Alloys, Solar Cells, Silicon 115 (1989) 21
Silicon Dioxide, Plasma Deposition 115 (1989) 123

Trapping
Chalcogenides, Photoreceptor, Defects 115 (1989) 216
Thin Film Transistors, Capacitance Methods, Injection of Carriers, Silicon 115 (1989) 156
Thin Film Transistors, Metastability, Computer Simulation, Transport Properties – Devices 115 (1989) 141

Tunneling
Junctions, Silicon Alloys, Heterojunctions 115 (1989) 120
Silicon Nitride, Interfaces, Capacitance Methods 115 (1989) 45

X-ray Sensor
Radiation Effects, Silicon, Detectors 115 (1989) 174